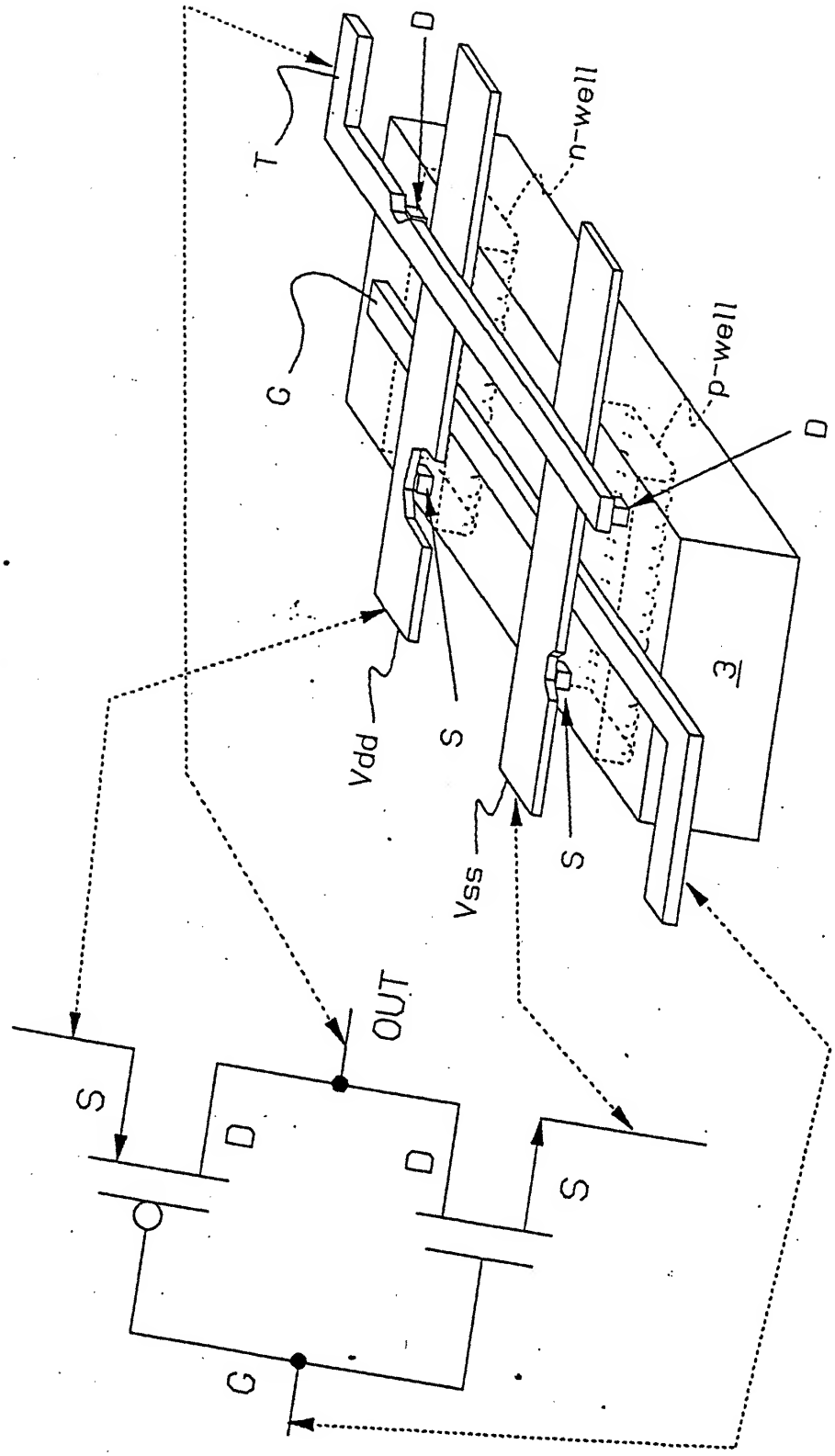


FIG 1

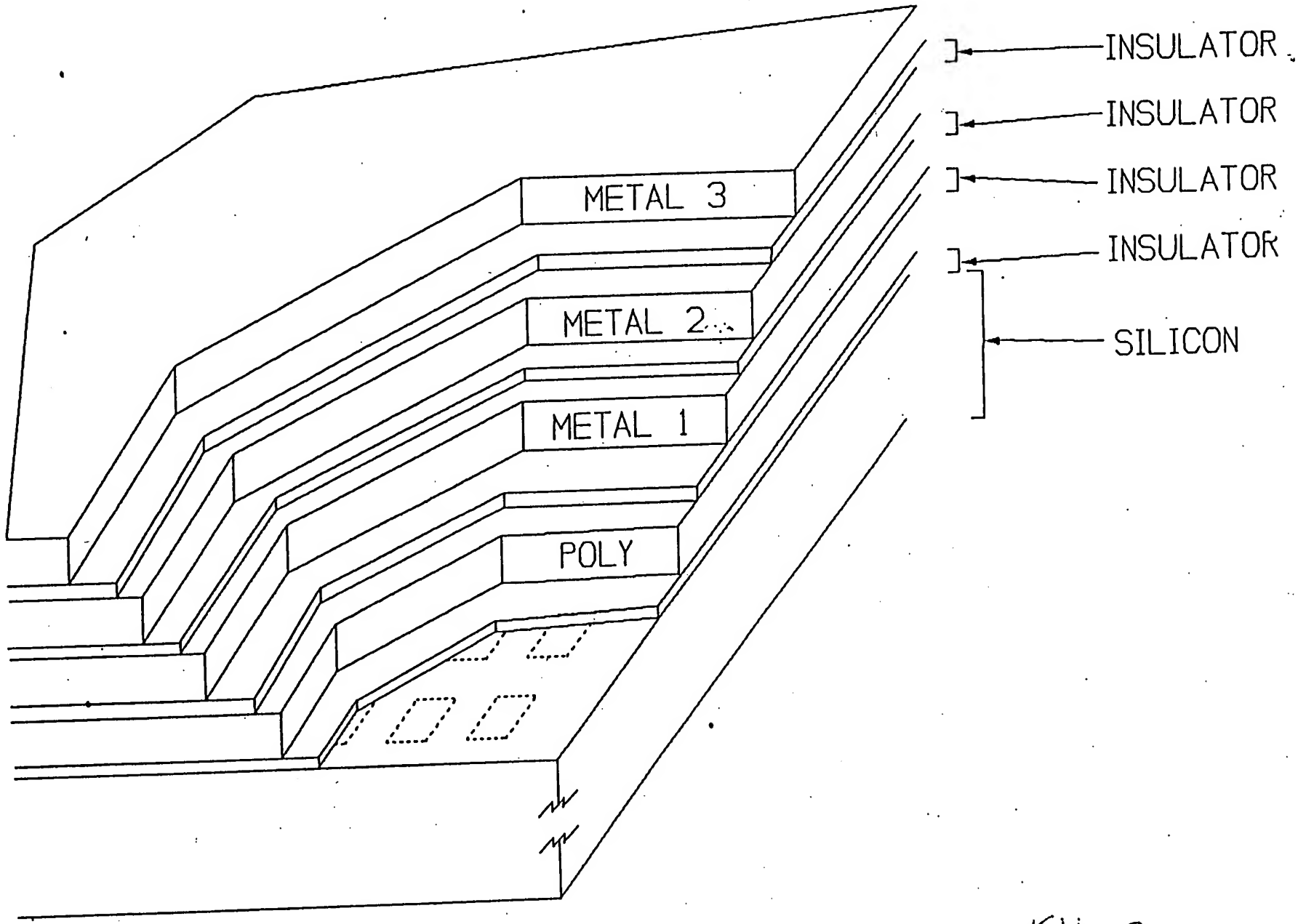

INSULATOR
INSULATOR
INSULATOR
INSULATOR
SILICON
METAL 3
METAL 2
METAL 1
POLY

FIG. 2

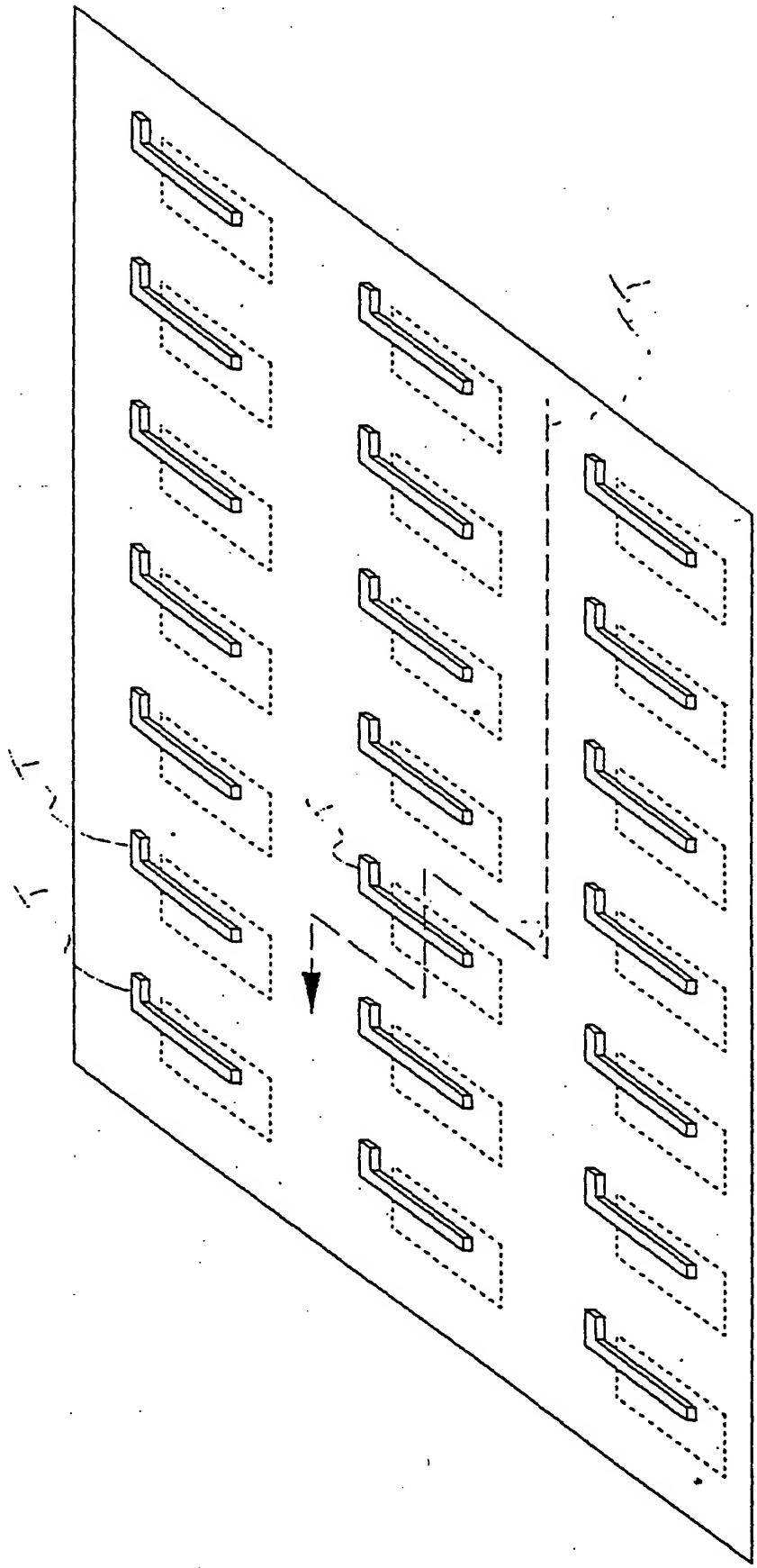


FIG 2

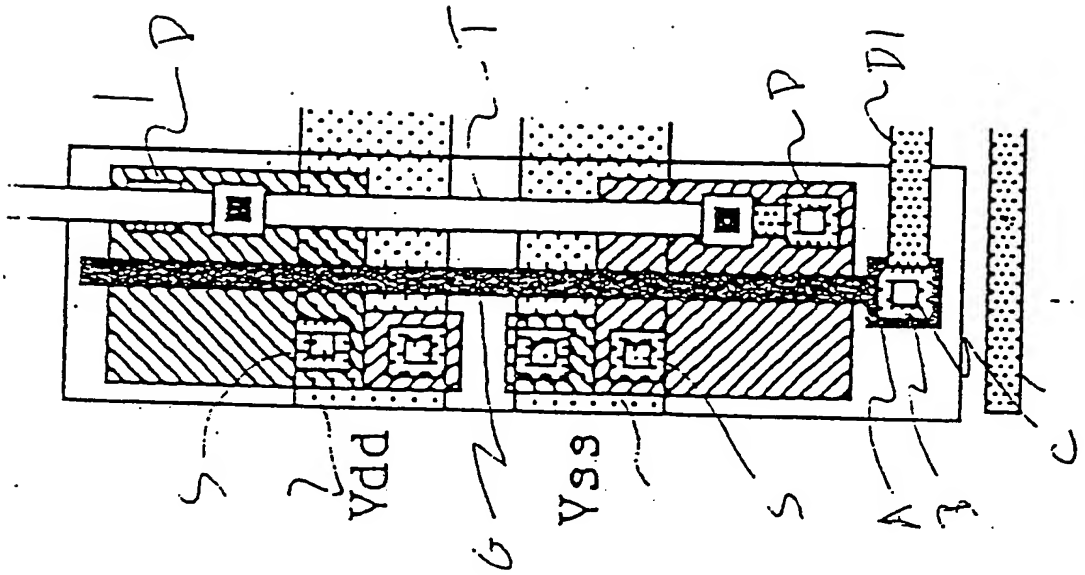
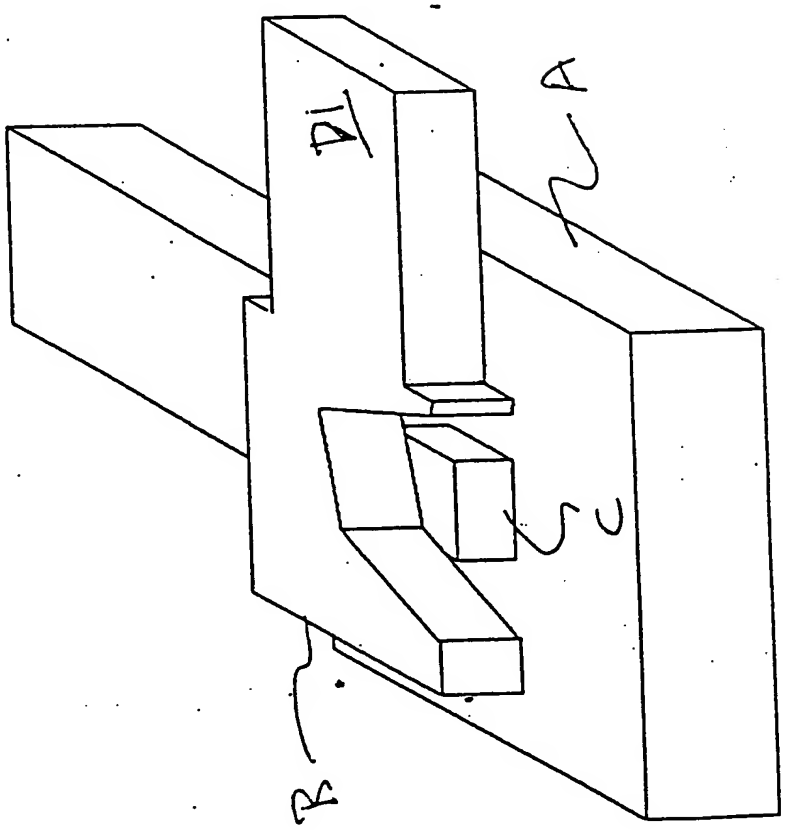


FIG 4

FIG 5.



x

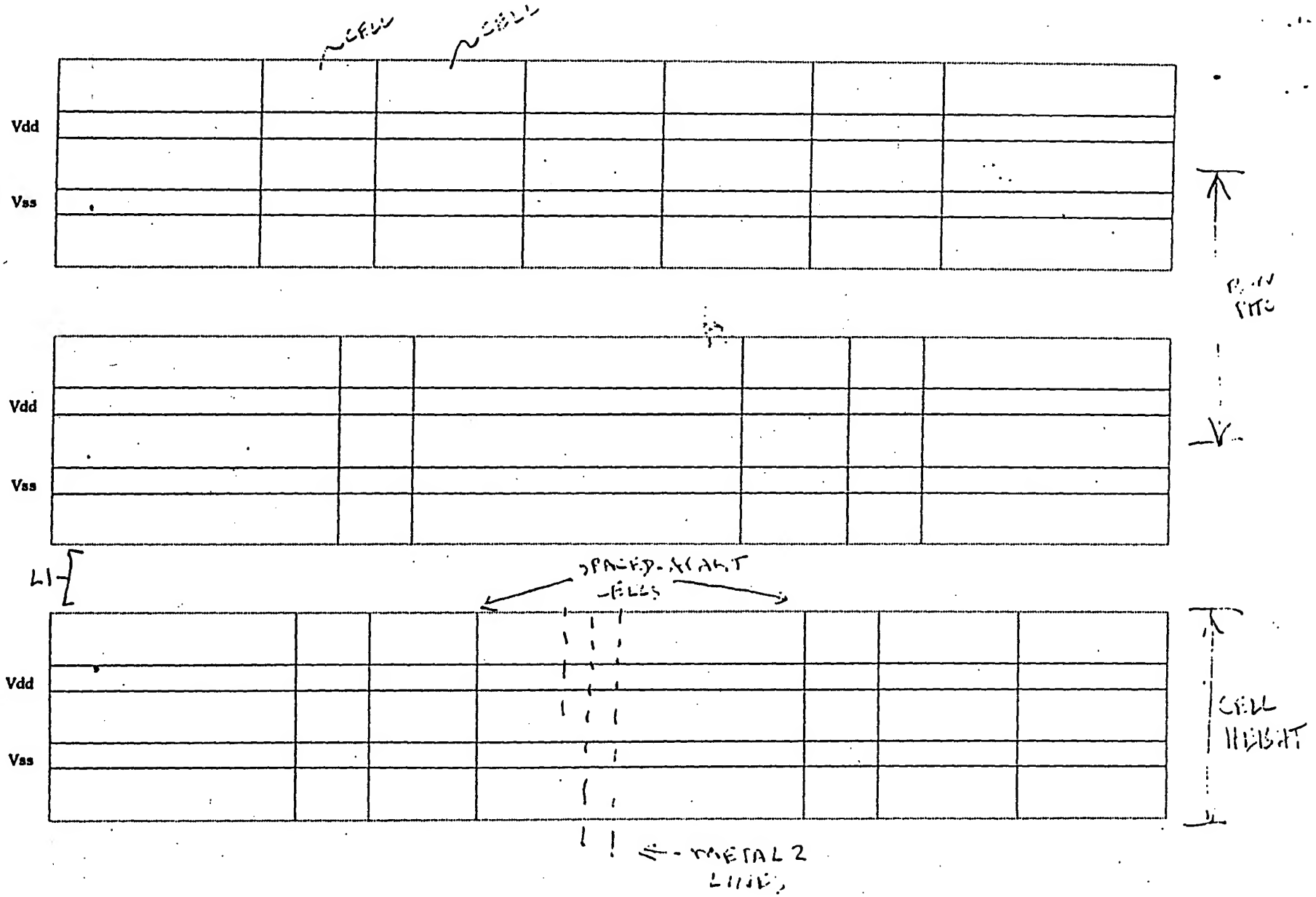


Fig 6

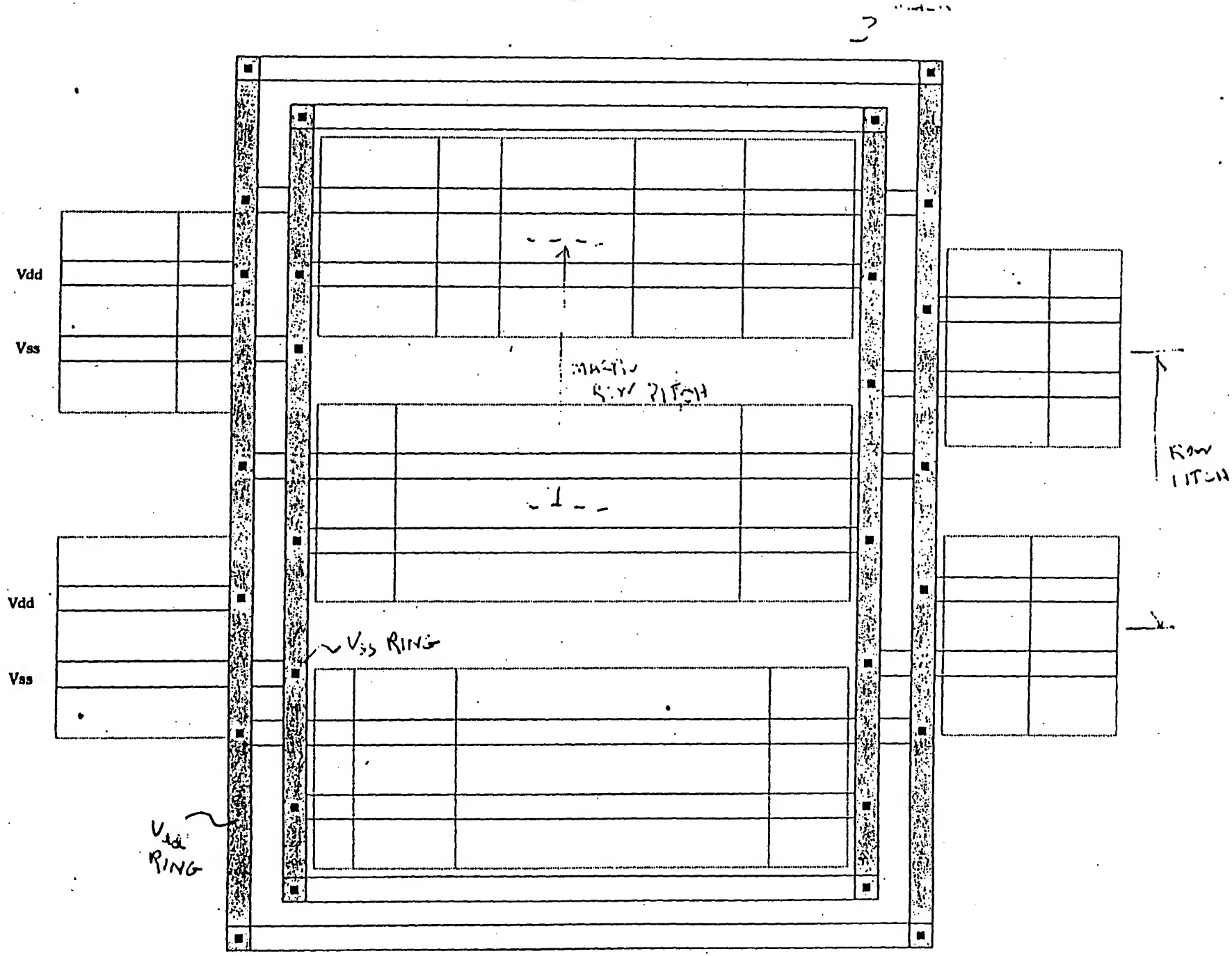
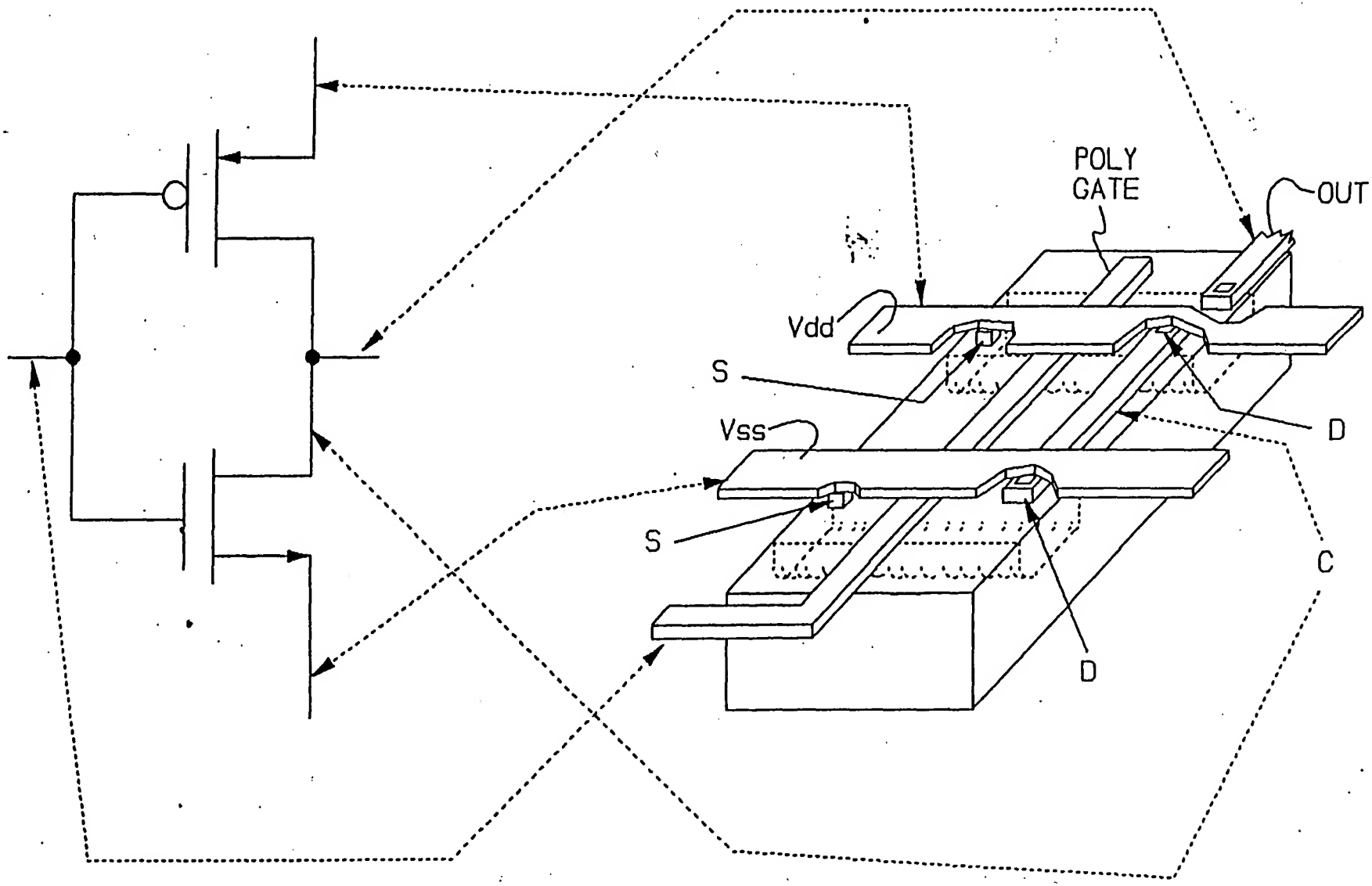


Fig 1

FIG 8



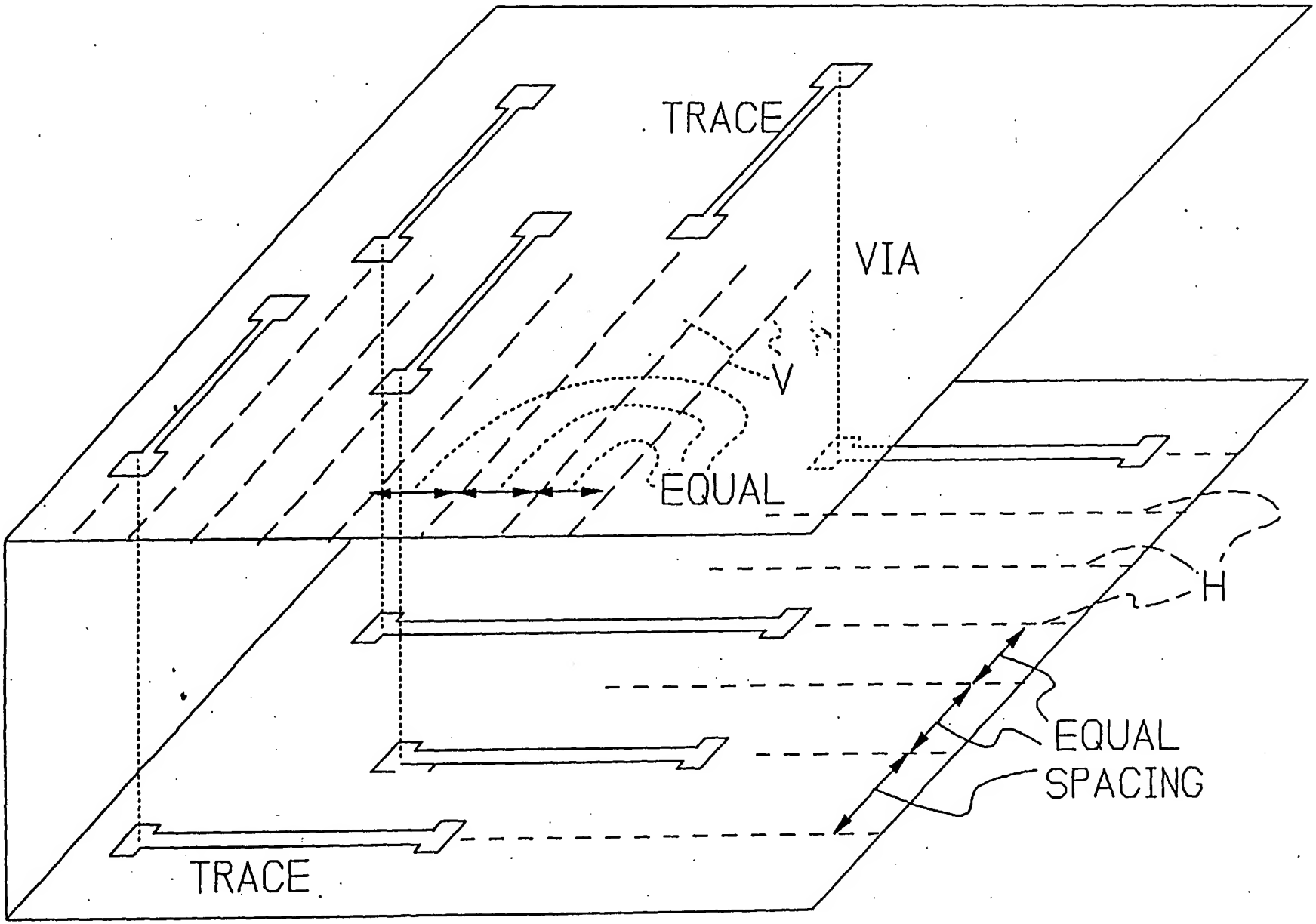


FIG 9

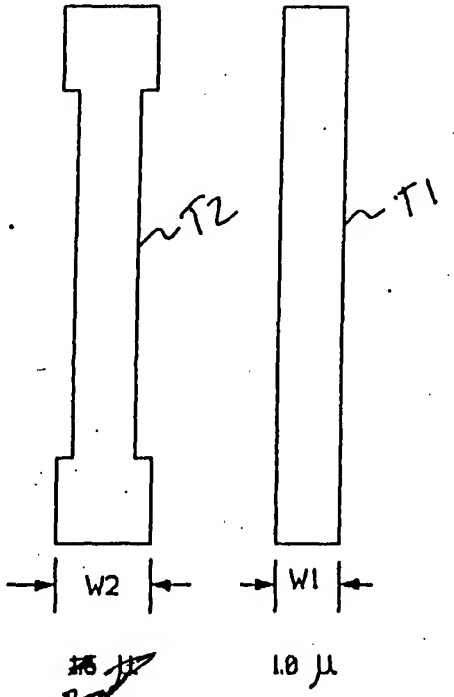


FIG 10A

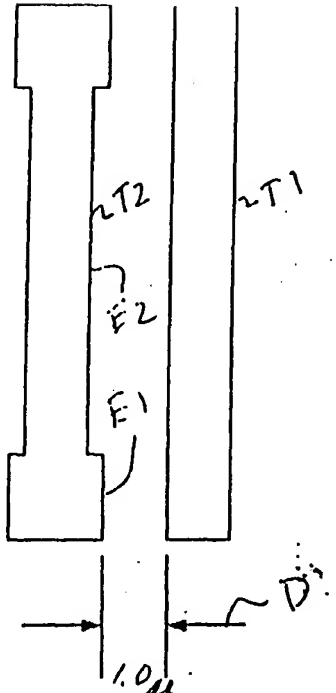


FIG 10B

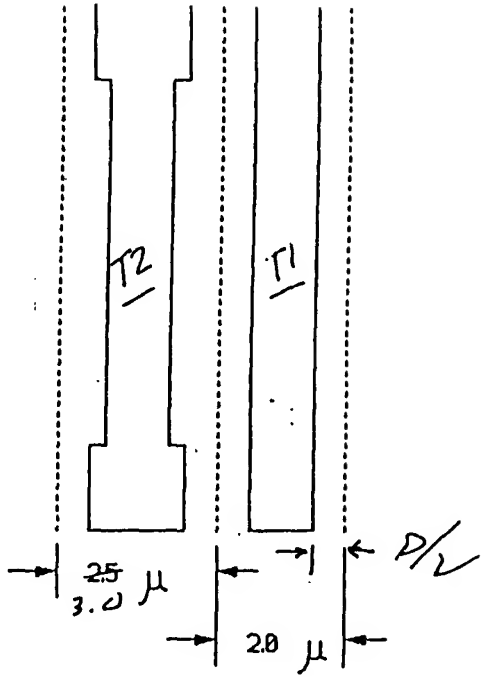


FIG 10C

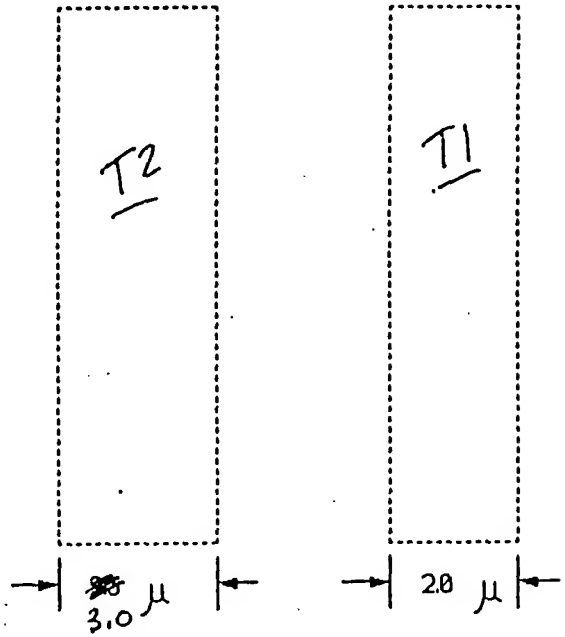


FIG 10D

FIG 10

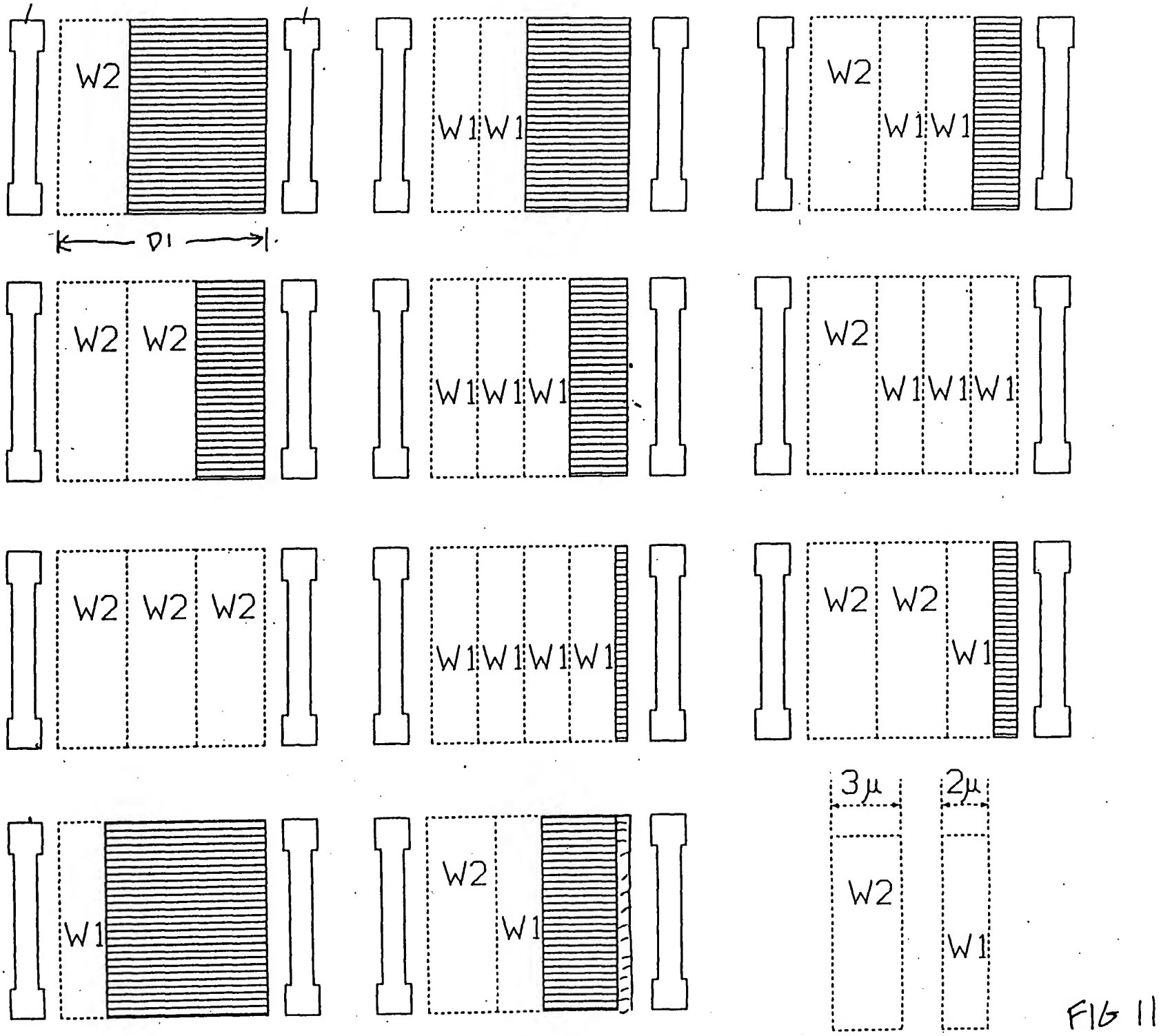

W2
D1
W1 W1
W2
W1 W1
W2 W2
W1 W1 W1
W2
W1 W1 W1
W2 W2 W2
W1 W1 W1 W1
W2 W2
W1
W1
W2
W1
3μ
2μ
W2
W1

FIG 11

W2 W2 W2

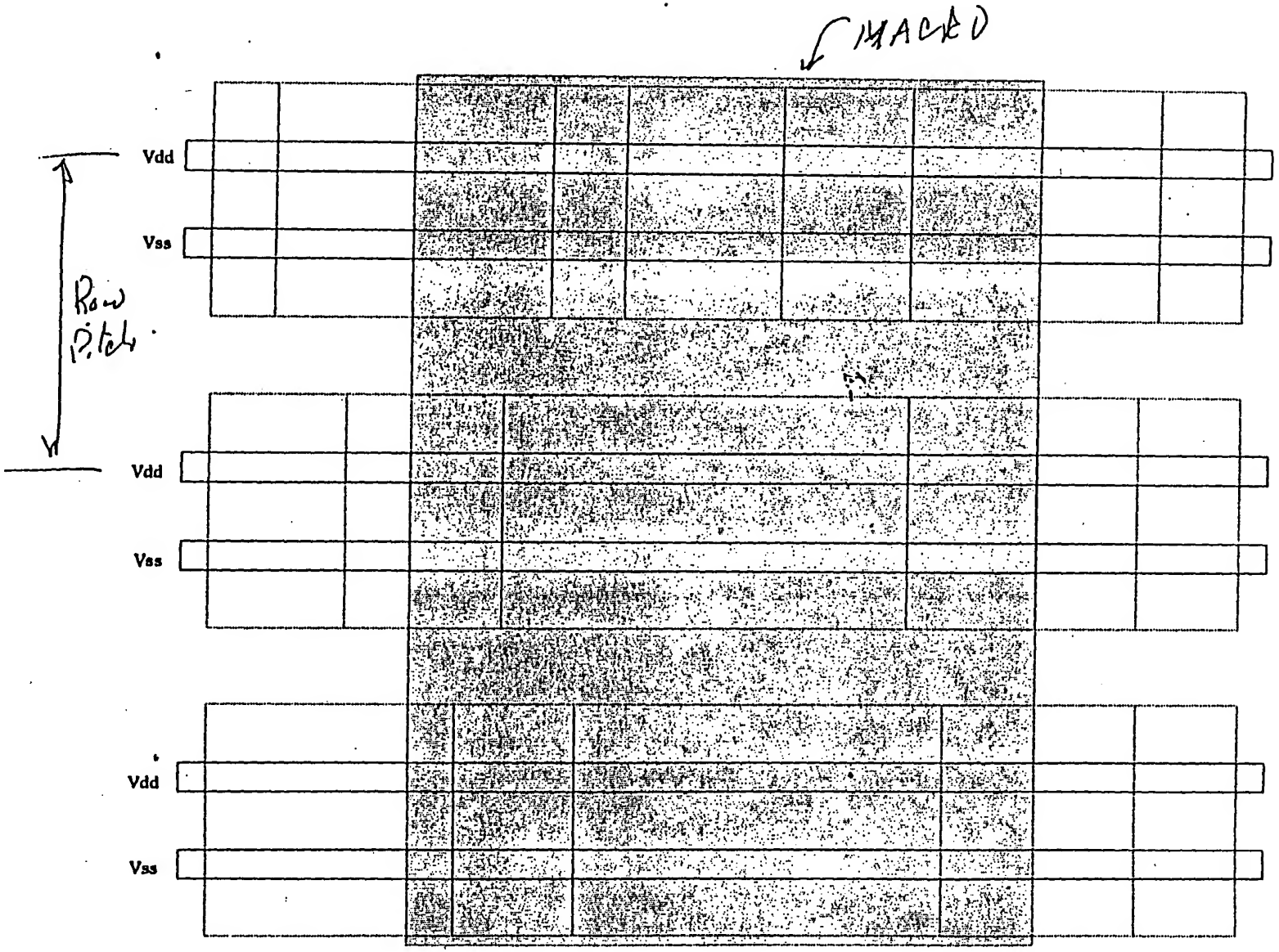


Fig 13

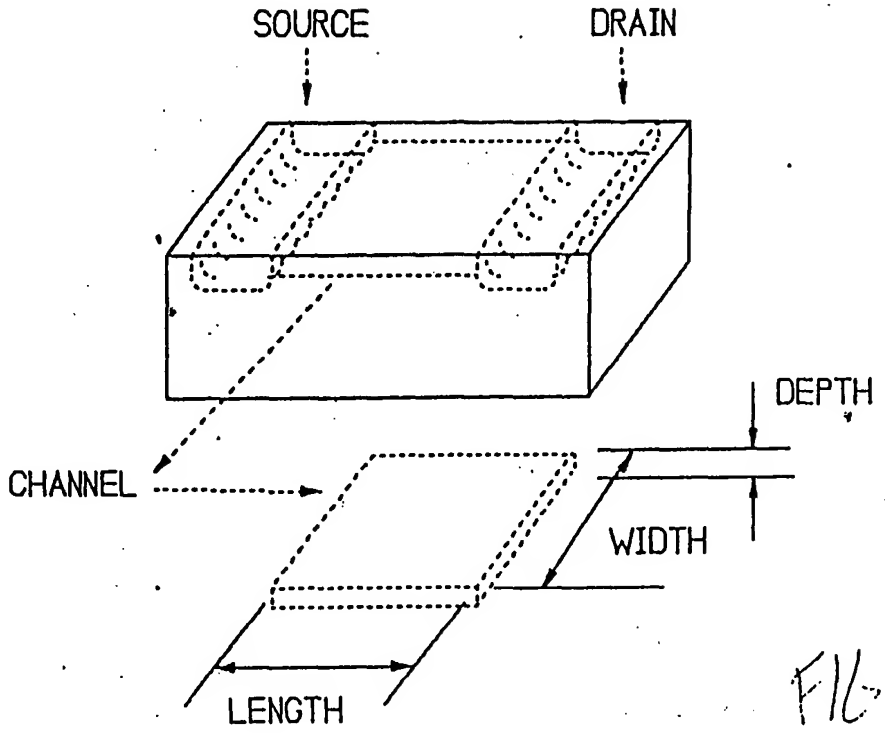

SOURCE
DRAIN
DEPTH
CHANNEL
WIDTH
LENGTH

FIG 14

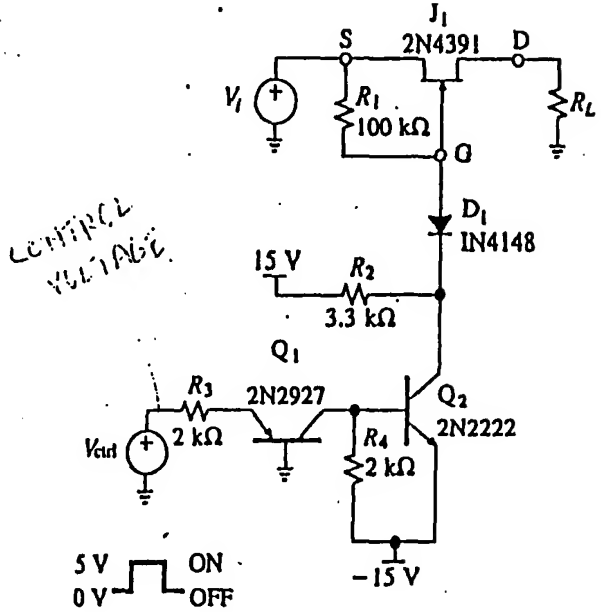

J1
2N4391
S
D
G
V1
R1
100 kΩ
RL
D1
IN4148
CONTROL VOLTAGE
15 V
R2
3.3 kΩ
Q1
R3
2N2927
Q2
2N2222
2 kΩ
R4
2 kΩ
Vctrl
5 V
0 V
ON
OFF
-15 V

FIG 15